

**Department of Environmental Conservation
Proposed Final Permit - Response to Comments**

For

APDES Individual Permit

**AK0053767 – Eni US Operating Co. Inc.
Spy Island Drillsite**

Public Noticed April 27, 2018 – May 29, 2018

June 1, 2018



**Alaska Department of Environmental Conservation
Wastewater Discharge Authorization Program
555 Cordova Street
Anchorage, AK 99501**

1 Introduction

1.1 Summary of Facility / Permit

The Alaska Department of Environmental Conservation (Department or DEC) is reissuing Alaska Pollutant Discharge Elimination System Permit AK0053767 – Eni US Operating Co. Inc (Eni), Spy Island Drillsite (Permit). Eni operates the Spy Island Drillsite (facility). The facility is an offshore, man-made gravel island located in the Beaufort Sea near Spy Island, west of Prudhoe Bay, Alaska. Depending on the season of operation, access to the island is via barge and crew boat (open water), ice road (ice cover), or hovercraft (broken ice conditions). To support oil and gas extraction, the facility includes a 120-person camp and associated infrastructure to house the workforce. The infrastructure related to this permit includes a reverse osmosis (RO) water treatment plant providing water for both potable and non-potable uses and a domestic wastewater treatment plant.

The Permit authorizes discharges of treated domestic wastewater (Outfall 001) and reverse osmosis reject water (Outfall 002) from the facility into Simpson Lagoon of the Beaufort Sea. Authorization to discharge through Outfall 001 and Outfall 002 is contingent upon both 1) an inability to inject the wastewater into the onsite Class I Underground Injection Control Well, and 2) an inability to transport the wastewater onshore via ice road or vessel for disposal. The Permit also authorizes chronic mixing zones for both outfalls. A chronic mixing zone for temperature, copper, zinc, nickel, and dissolved oxygen (DO) and an acute mixing zone for copper and zinc are authorized at Outfall 001. Outfall 002 has an authorized chronic mixing zone for salinity, turbidity, temperature, and DO.

1.2 Opportunities for Public Participation

The Department of Environmental Conservation (DEC or Department) proposes to issue the Permit after considering all substantive public comments. To ensure participation by the public, agencies, and tribal and local governments during Permit reissuance, the Department:

- identified the permit on the annual Permit Issuance Plan posted online at: <http://dec.alaska.gov/water/wastewater.aspx>;
- notified potentially affected tribes that the Department would be working on the Permit via letter, fax and/or email on August 22, 2017;
- posted the Preliminary Draft Permit on-line for a 10-day applicant review on April 12, 2018 and notified tribes, local governments and other agencies;
- posted the public notice on the Department's public notice web page April 27, 2018 for a 30-day public review on the Draft Permit and Fact Sheet; and
- sent email notifications via the APDES Program List Serve when the Preliminary Draft and Draft Permits were available for review.

The Department requested comments on the Preliminary Draft documents from Eni, Environmental Protection Agency, National Marine Fishery Services, United States Fish and Wildlife Service, and State agencies including, but not limited to, the Alaska Departments of Fish and Game and Natural Resources. Only Eni provided comments on the Preliminary Draft Permit and Fact Sheet during the 10-day applicant review. During the 30-day public review period, the Department did not receive comments on the Draft Permit and Fact Sheet. On June 1, 2018 DEC received a written request to waive the optional five-day applicant review per 18 AAC 83.120(m). Accordingly, DEC is reissuing the Final Permit without the five-day applicant review.

1.3 Final Permit

The final permit was adopted by the Department on June 1, 2018. There were minor changes from the Draft Permit and Fact Sheet after public notice to correct typographical and grammatical errors and to clarify information.